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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/649,218	08/26/2003	Larry Kirn	JAM-02902/29	5415
7590 10/18/2005			EXAMINER	
John G. Posa			CHANG, JOSEPH	
Gifford, Krass,				
Anderson & Cit	kowski, P.C.	ART UNIT	PAPER NUMBER	
280 N. Old Woo	odward Ave., Suite 400	2817		
Birmingham, MI 48009-5394			DATE MAILED: 10/18/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)			
		10/649,218	KIRN, LARRY	pm		
Office Action Summary		Examiner	Art Unit	-		
		Joseph Chang	2817			
	The MAILING DATE of this communication app	ears on the cover shee	t with the correspondence add	ress		
WHIC - Exte after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPL' CHEVER IS LONGER, FROM THE MAILING DA SIX (6) MONTHS from the mailing date of this communication. Depriod for reply is specified above, the maximum statutory period of the reply within the set or extended period for reply will, by statute reply received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUM 36(a). In no event, however, may will apply and will expire SIX (6), cause the application to become	JNICATION. By a reply be timely filed MONTHS from the mailing date of this corn BY ABANDONED (35 U.S.C. § 133).			
Status						
2a)⊠	Responsive to communication(s) filed on <u>12 A</u> . This action is FINAL . 2b) This Since this application is in condition for alloware closed in accordance with the practice under E	action is non-final.	• •	merits is		
Dispositi	ion of Claims		• (1)			
5)□ 6)⊠ 7)□	Claim(s) <u>1-3</u> is/are pending in the application. 4a) Of the above claim(s) is/are withdray Claim(s) is/are allowed. Claim(s) <u>1-3</u> is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/o	·				
Applicati	ion Papers					
10)	The specification is objected to by the Examine The drawing(s) filed on is/are: a) accomplicant may not request that any objection to the Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Examine	epted or b)⊡ objected drawing(s) be held in abe ion is required if the draw	eyance. See 37 CFR 1.85(a). ving(s) is objected to. See 37 CFF	• •		
Priority (ınder 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
2) Notice 3) Information	et(s) te of References Cited (PTO-892) te of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) tr No(s)/Mail Date	Paper	ew Summary (PTO-413) No(s)/Mail Date of Informal Patent Application (PTO-	152)		

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DETAILED ACTION

Claim Objections

Claim 3 is objected to because of the following informalities: the recitation "of claim 3" should be --of claim 2--. Appropriate correction is required.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claim 1 is rejected under 35 U.S.C. 102(b) as being anticipated by Wagner US Patent No. 4,065,765.

Wagner discloses a method of demodulating a pulsewidth-modulated data stream using an asynchronous clock (Col.1, lines 63-67), comprising the steps of: measuring a temporal aspect (Figures 2 and 3 show timing diagram, one complete data cycle) of the asynchronous clock (Col.1, lines 65-67); and locking onto the data stream (Col.1, line 46) in accordance with the measured periods (one complete data cycle).

Claims 1-3 are rejected under 35 U.S.C. 102(b) as being anticipated by Barnes US Patent No. 3,760,412.

Barnes discloses a nonsynchronous binary demodulator which would necessarily perform the method of demodulating a pulsewidth-modulated data stream (10) using an asynchronous clock (14, independent from Data Input), comprising the steps of:

measuring a temporal aspect (24 produces fo or fo/2) of the asynchronous clock (10 having fo); and locking onto the data stream (10, DATA INPUT) in accordance with the measured periods (output of 24).

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Regarding Claims 2 and 3, the ratio of measured periods is 2:1 (24 produces fo or fo/2).

Response to Arguments

Applicant's arguments filed 12/4/01 have been fully considered but they are not persuasive.

Regarding applicant comments directed rejection of claim 1 under USC 102(b) over Wagner, Applicant argues "Nowhere can applicant find in Wagner, the teaching of measuring a temporal aspect of the clock and locking onto the data stream in accordance with a measured period". This argument is not persuasive because as indicated in the previous Office Action, measuring a temporal aspect (Figures 2 and 3 show timing diagram, one complete data cycle) of the asynchronous clock (Col.1, lines 65-67); and locking onto the data stream (Col.1, line 46) in accordance with the measured periods (one complete data cycle). It is noted that the device of Wagner employs a pair of asynchronous clocking and "synchronized with the data input" in Col.1, line 46 means "locking onto the data stream" as recited in the claim.

Regarding applicant comments directed rejection of claim 1 under USC 102(b) over Barnes, Applicant argues "it appears to be insufficient disclosure, and insufficient explanation of that disclosure to rely upon anticipation". This argument is not

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persuasive because the figure and its functional signal paths clearly show and follow claimed recitations as indicated in the previous Office Action.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Joseph Chang whose telephone number is 571 272-1759. The examiner can normally be reached on Mon-Fri 0700-1730.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Pascal can be reached on (571) 272-1769. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

JC

Supervisory Patent Examins? Technology Center 2800